(b) Question does not arise.

(c) and (d) Not applicable.

Study on Impact of Weather Conditions on Agriculture

1719. SHRI R.R GOENKA: Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that a Rs. 10 crore project, to study the impact of change in weather patterns on agriculture across the country, has been undertaken recently; and

(b) if so, the details thereof and the present status of the project?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) Yes, Sir.The Indian Council of Agricultural Research has prepared a project with an outlay of Rs. 10 crore to be implemented during the Tenth Five Year Plan to study the effect of climate change on agriculture.

(b) The objectives of the project are:

(i) to conduct basic, applied and strategic research for quantifying the vulnerability of Indian agriculture to increasing climate variability and climate change, to develop adaptation strategies for minimizing their negative impacts and to identify mitigation strategies;

(ii) to provide policy support to the Government and other stakeholders on issues related to climate change and agriculture.

The project is at present being examined within ICAR.

Laws to Control Duplicate seed manufacturing companies

1720. SHRI K. RAHMAN KHAN:
SHRI M.V.RAJASEKHARAN:

Will the Minister of AGRICULTURE be pleased to state:

(a) what are the existing laws to nail the fraud and duplicate seed manufacuring companies who are playing with the lives of our farmers;

(b) whether Government feef that the existing laws are insufficient to bring them to book;

(c) whether Government are planning to introduce new legislation in the Parliament; and

(d) how many such manufacturing companies are brought to book in Karnataka since last three years?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) The seeds Act, 1966 regulates the quality of seeds of notified kinds and varieties. The Seeds (Control) Order, 1983 regulates the production, supply and distribution of all types of seeds.

(b) No, Sir.

(c) A draft Seeds Bill has been submitted to the Ministry of Law to, *inter alia,* regulate the quality of all types of seeds and to provide for more stringent penalties for infringement.

(d) A list of seed dealers/seed producers whose seeds were found substandard in Karnataka during the years 1999-2000 to 2001-02 is placed at the statement.

Statement

List of seed dealers/seed producers whose seeds were found substandard during the last three years (1999-2000 to 2001-2002)

Karnataka

1. Karnataka State Seeds Corporation
2. Mahyco
3. AmareshwaraTSR Seeds
4. National Seeds Corporation
5. Karnataka Seeds Basavanagudi
6. Bisco Seed Tech.
7. Karnataka Agro Seeds
8. Hindustan Lever

9. Amareshwara Agri Tech.
10. SpicPHI
11. Green Tech.
12. Nath Seeds
13. ECI Agri Tech.
14. Sun Agro Seeds
15. Golden Seeds
16. Solar Seeds
17. Zuari
18. Yaganti Seeds
19. Marashtra State Seeds Corporation
20. Travik Seeds
21. Monsanto Technologies
22. Kaveri Seeds
23. Goverdhan Seeds-Baroda
24. Vinayak Agro Agency
25. Multiplex Fertilizer
26. Nunhems Proagro
27. Somnath Seeds
28. Hindustan HI Tech Agro Product
29. Proagro Seeds
30. Namdhari Seeds
31. Preethi Seeds
32. BhadraHy. Seeds
33. Kinara Seeds
34. Spic Seeds
35. Season Seeds
36. Sai Krishi Kendra
37. SeedMarkfed
38. Gnaga Kaveri

39. Sagar Seeds
40. Solar Seeds
41. Multiplex Laxmi Fert.
42. Consolidated Seeds
43. Indo American Seeds
44. Kaveri Kodai Seeds
45. Nuziveedu Seeds
46. SSCI.Haveri
47. Sri Seeds Corpn.
48. Sri Amareshwara Hy. Seeds
49. Aruna Seeds

Improving Sugarcane production

1721. DR. A.K. PATEL: Will the Minister of AGRICULTURE be pleased to state:

(a) whether the sugarcane growers are unable to produce good crop in the absence of prototype and technical knowledge of production and quality of agricultural fields in the country, particularly in Gujarat;

(b) if so, the details thereof, State-wise; and

(c) the details of assistance being provided by Government to the sugarcane growers for the development of better sugarcane varieties and promote sugarcane cultivation alongwith the main features of the draft of the scheme for the Tenth Five Year Plan, State-wise?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV): (a) No, Sir.

(b) Does not arise.

(c) Sugarcane Development scheme was implemented in major sugarcane growing States including Gujarat. However, since October 2000,